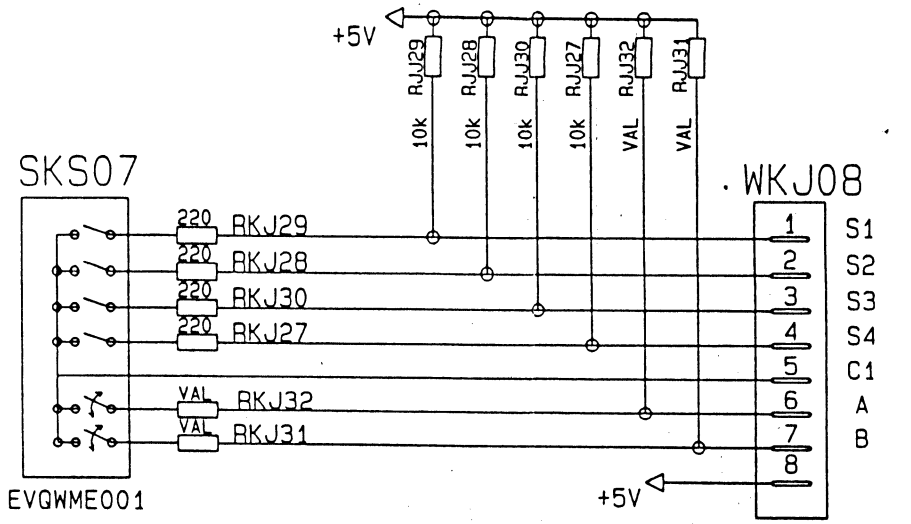
THOMSON VTH7090

MODEL

SERVICE MANUAL

CIRCUIT USE IN 97-0B AND 97-0C



JOG & SHUTTLE BOARD

Release For Production
Issue by VPD Doc

SENT 13.APR.98 VPD DOC

* NOTE: RESISTORS VALUE DEPEND ON KDB MICRO-P. USED.

TOCOM	DESCRIPTION	RKJ32/RKJ31	RJJ27-RJJ32
20721420	EQU JSB R6 IL1	220R	10K
20824140	EQU JSB R7 IL2	0R	-
20898410	EQU JSB R7 IL3	220R	-

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IND	NAME	DATE	DESCRIPTION
04	HS	090498	UPDATE ASSEMBLY COMBINATION TABLE.
03	TAY	170497	RELEASE FOR MP.
02	TAY	051196	RELEASE FOR LR 2
01	TAY	290695	RELEASE FOR LR 1

DRAWN	DATE	CHECKED	DATE	APPROVED	DATE
HS TAN	090498	CY LIM	090498	DAVID CHANG	090498

THOMSON CONSUMER ELECTRONICS
RESEARCH & DEVELOPMENT LABORATORIES
SINGAPORE

DRAWN: HS TAN 090498
CHECK: CY LIM 090498
SCALE
1st SET TYPE
PAGE 1 OF 1

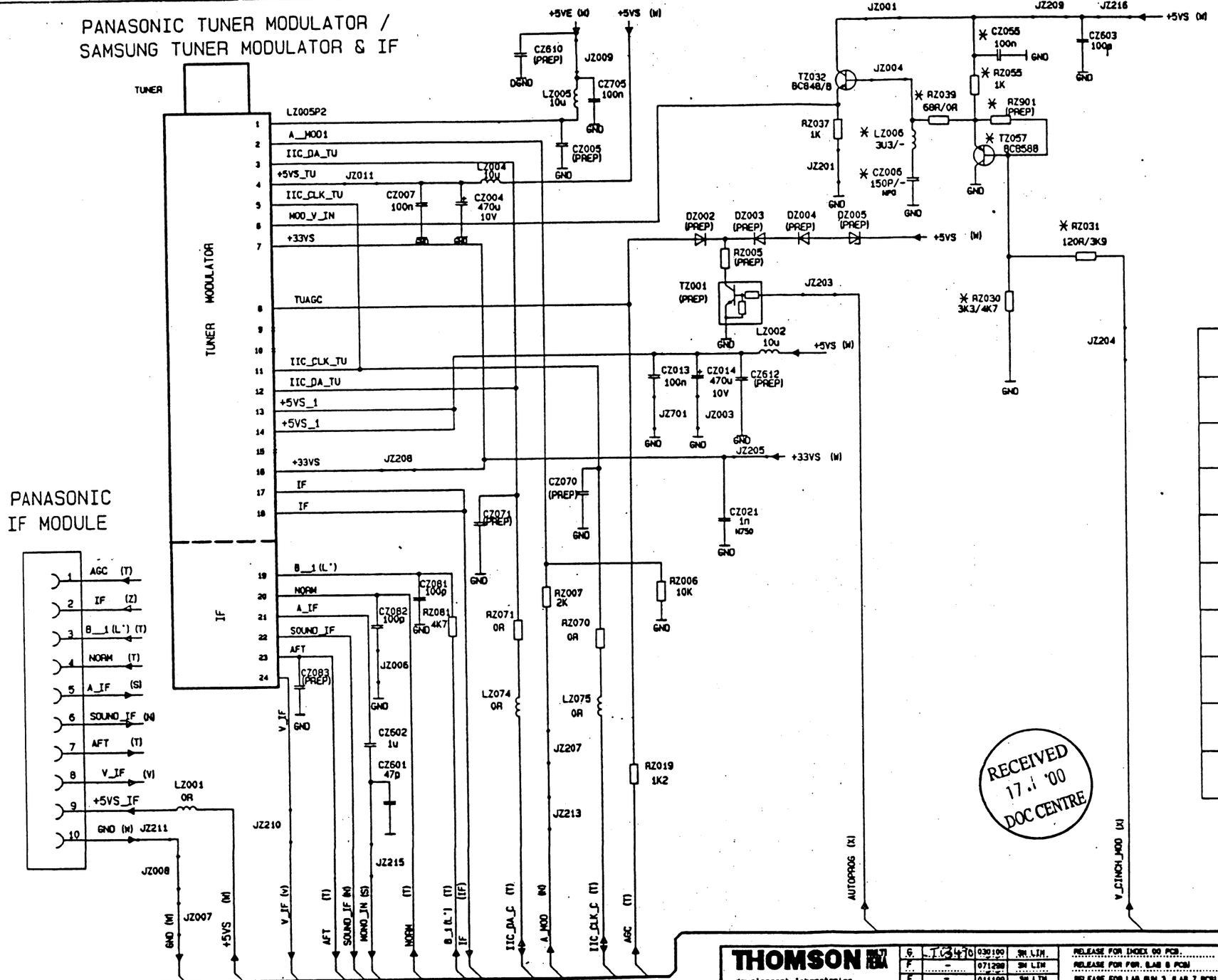
DRAWING APPROVED FOR:
- PRODUCTION ☐
- TOOLING ONLY ☐
- QUOTATION ONLY ☐
- INFORMATION ONLY ☒
- PRELIMINARY ONLY ☐

DESIGNATION
JOG & SHUTTLE
R6 IL (PAL)

FILE CODE

PART-TOCOM-CODE
20712410

PANASONIC TUNER MODULATOR / SAMSUNG TUNER MODULATOR & IF



PANASONIC IF MODULE

POSITIONS PREPARED WITHOUT VALUE ARE NOT USED.

⚠ Sicherheitsbauteil
Bei Ersatz nur Originalteil verwenden

⚠ Safety Part
When repairing, use original part only

⚠ Piece de securite
N'utilisez que les pieces d'origine

RFI = XX6XX
EMC = XX7XX
ESD = XX8XX

* REMARK	NFB MODELS	FB MODELS
RZ030	3K3	4K7
RZ031	120R	3K9
TZ057	BC858B	BC858B
RZ901	-	-
RZ055	1K	1K
CZ055	100n	100n
RZ039	68R	0R
LZ006	3u3	-
CZ006	150p	-

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SENT TO PHILIPS VPS DOC

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development laboratories
DEVELOPMENT DEPT: ... VPO/PG1

IND	Chk. NOTE NO.	DATE	name	DESCRIPTION
G	T3470	030100	SM LIM.	RELEASE FOR INDEX 00 PCB.
F	-	071299	SM LIM	RELEASE FOR PSR. (LAB 8 PCB)
E	-	011199	SM LIM	RELEASE FOR LAB RUN 3. (LAB 7 PCB)
D	-	051099	SM LIM	RELEASE FOR LAB RUN 3.
C	-	080999	SM LIM	RELEASE FOR LAB RUN 2.

DRAWN ON: BY: SM LIM
CHECKED ON: BY: PATRICK LI
APPROVED ON: BY: YP CHOW

DESIGNATION	TOCOM-NUMBER
SCH RS TUNER/IF/MODULATOR	21026866

FAM
PROJ
PAGE: 1
OF : 1

PCAD FORMAT DIN A0

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TV

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Bei Ersatz nur Originalteil verwenden

⚠ Safety Part
When repairing, use original part only

⚠ Piece de securite
N'utilisez que les pieces d'origine

NOTE : +UH, -UH, -27VE AND THOSE ASTERISK (*) COMPONENTS AND VALUES ARE USED IN FIP MODELS.

THOMSON
development laboratories
SINGAPORE

DEVELOPMENT DEPT: PG2

INDEX	CHG. NOTE NO.	DATE	NAME	DESCRIPTION
I	200320		CHONG	MASS PRODUCTION (INDEX A PCB)
H	030226		CHONG	PILOT RUN. UNDEX. 00 PCB1
G	060120		CHONG	PILOT RUN. UNDEX. 00 PCB1
F	081250		CHONG	LAB-RUN 3 (LAB 8 PCB)
E	021198		CHONG	LAB-RUN 3 (LAB 7 PCB)

DRAWN ON: 20/3/2000 BY: - ICE CHONG
CHECKED ON: 20/3/2000 BY: - ICE CHONG
APPROVED ON: 20/3/2000 BY: YCLim

DESIGNATION	TOCOM-NUMBER	
SCH A9 POWER SUPPLY AND POWER INTERFACE	2102576I	FAM: VCR
		PAGE: 1
		OF : 1

PCID FORMAT DIN A2

RELEASED FOR PRODUCTION

TV DEVELOPMENT

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SENT 10. MAR. 00 VPD DOC

IK201 25U39145SAN

UH LK201 0R

10nF CK201

SK6 RK201

RK202 0R UH+STBY

RK203 VAL

FOR D1U10T (D1000 MODELS)

+5VED 10K RK513 DVHS_SW 70

SK003

Eco_Led 67

BK508

RK501 10K RK502 10K RK503 10K RK504 10K RK505 10K RK506 10K

RK507 220 29

RK508 220 28

RK509 220 30

RK510 220 27

RK511 220 31

RK512 220 32

DGND

+5VED

DGND 0R RK974

RK574 74

10K

MODEL	RK974	RK574
JOG+SHU	-	▲
NON-JOG+SHU	▲	-

IK001 TMP87PP71F

65 (S15) P97 VKK

66 P40(KEY0)

67 P41(KEY1)

20 P42(KEY2)

P43(KEY3)

P44(KEY4)

P45(KEY5)

74 P46(CIN5/KEY6)

P47(CIN4/KEY7)

P50(CIN3)

P51(CIN2)

78 P52(CIN1)

P53(CIN0)

80 P54

P55(PWM/PD0) P12

P66(G9)

P65(G10)

P64(G11)

P63(G12)

P62(G13)

P61(G14)

P60(G15)

VDD

P07

P06

P05

P04

P03

P02

P01

P00

DGND

DGND

80 (BC OUT)

6 CBC IN

33 15 10 9

100nF CK011

DGND

CABLE BOX

MODEL	RK405
TS	6R8
R6,R7,R8	3R9

+5VED

10K RK401

4700pF CK401

DGND

RK402

RK403

RK404

RK405

RK406

IK401 2SA1162

DK401 1N4148U

BC337 TK402

220R RK403

IK402

GK401 TSIPS201

GK402 TSIPS201

GK403 TSIPS201

AU LINK

+5VED RK301 10K 180K RK302

CK301 220pF

TK301 BC848C

220R RK303

DK301 1N4148U

RK304

RK305

0R RK307 AU_LINK(P)

+5VED

RK306

CK302 330pF

REC_LED 78

Piezo_Buzz 4

BK001 RK011 120K RK012 10K

PUM for Headphone

FOR R9U61 & D1U10T

MODEL	RK011,RK012
With Feature Bd	▲
w/o Feature Bd	-

IIC_CLK_(IF) 0R (prepare) RK013

IIC_DA_(IF) 0R (prepare) RK014

(prepare) 0R RK016

+5VED RK003 10K

CK003 VAL

CK004 VAL

CK005 VAL

1 19 20 21 3 12 66 33 13 14

RK007 220R

RK010

QK001 8MHz

56pF CK007

68pF CK008

DGND DGND

DK002 (ZMM2.7)

BZT52C2V7

LK001 330uH

CK009 330nF

CK010 330UF

DGND

CK012 47uF

DGND

UI_CLOCK(I)

SRVC_KDB_DA(I)

UI_SRVO_DA(I)

UI_STROBE(I)

UI_RESET(I)

-27VE(P)

UH-(P)

+5VED(P)

T	SERVO
F	FEATURE BD
P	Power Supply
X	TMR-In/Out

(K)KDB2(UT)

BEEPER SIGNAL (B)

+5VE (P)

CK601 47uF 16V

DK601 1N4148

LK601 330uH

QK601 BUZZER

RK603 1K

IK601 BC848C

JK016 JK015

RK601 1K

RK602 1K

AGND

PIEZO_BUZZ

E		081299	TOWJ	Add beeper ccts. (LA88 PCB STATUS)	
F		281299	TOWJ	RELEASE FOR MASS PRODUCTION, (INDEX=00)	
G	J.09.710	070300	HSTAN	Update RK011,RK001,DK301 and DK401.	
C		061099	HSTAN	RELEASE FOR LAB RUN 3	
D		021199	TOWJ	Add DVHS_SW & del RK015	
INDEX	CHA. NOTE NO.	DATE	NAME	DESCRIPTION	

THOMSON MULTI MEDIA

development laboratories

SINGAPORE

DEVELOPMENT DEPT: SSD2

DRAWN ON: 7.3.99 BY: HSTAN

CHECKED ON: BY: LIMCY

APPROVED ON: BY: DAVID CHONG 13/3/00

DESIGNATION	TOCOM-NUMBER
SCH R9 MAIN KDB	2102682G

FAM

PROJ

PAGE: 1

OF: 1

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BN003
1 FAV_IN_L
2 A
3 FAV_IN_A
4 V
5 F_VIDEO
6 CAM_PAUSE
7 MIC_OUT
8 +12VSTDBY
9 SC1_OUT_L
10 SC1_OUT_A

BN002
6 A_FF
5 A
4 REC_ON
3 A
2 PB_FM
1 +5VS

BN006
1 +12VSTDBY
2 -5VE
3 GND
4 +5VS

BN004
(T) IIC_CLK_C 1 — 2 IIC_DA_C (T)
(T) IIC_DA_A 3 — 4 IIC_CLK_A (T)
5 — 6 GND
(V) V_IF 7 — 8 V_CINCH_MOD
GND 9 — 10 +5VE
(V) V_EE_REC 11 — 12 F_VIDEO (V)
+12VSTDBY 13 — 14 AUTOPROG
(V) V_EE_PB 15 — 16 SCART2
(T) AV_LINK1 17 — 18 +5VS
+5VS 19 — 20 OSD_MIX_H
(N) CINCH_IN_L 21 — 22 CINCH_IN_A
(N) SC1_IN_L1 23 — 24 SC1_IN_A1 (N)
(N) SC2_IN_L 25 — 26 SC2_IN_A (N)
SCART1 27 — 28 A
A 29 — 30 SC1_OUT_L (N)
(N) SC1_OUT_A 31 — 32 SC2_OUT_L (N)
(N) SC2_OUT_A 33 — 34 SQPB

IN201 MSP3417
IN203 BC848B
IN202 C2712
IN210 BC848B
IN201 TDA9615H
TN100 BC848
IN103 C2712
IN105 AN1404
IN106 AN2404
IN102 C2712
IN104 C2712
TN101 AN1404

SOUND_IF
FM_CON
SAP
+5VS
+12VSTDBY
A_IF
D_DEC_A
D_DEC_L
IIC_CLK_C (T)
IIC_DA_C (T)
N_RST (T)
A_MOD
SC1_OUT_L
SC1_OUT_R
SC2_OUT_L
SC2_OUT_R
A_EE_REC
A_EE_PB
AUDIO_MUTE_1

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TV DEVELOPMENT

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21 MAR 00
MD DOC

THOMSON MULTIMEDIA
development laboratories
SINGAPORE
DEVELOPMENT DEPT: ...

INDEX	CHA. NOTE	DATE	NAME	DESCRIPTION
F		30/10/98	GE LEI	Release for LABFLM 2 with LABS PCB
G		01/11/98	GE LEI	Release for LAB3 with LAB7 PCB
H		01/12/98	GE LEI	Release for LAB3 with "06" PCB
I		11/01/99	GE LEI	Release for Mass Prod (A Indu PCB)
J	J.11.030	13/03/99	GE LEI	

DRAWN ON: 05/11/99 BY: GE LEI
CHECKED ON: BY:
APPROVED ON: BY:

DESIGNATION	TOCOM-NUMBER
R9000 HI-FI/NICAM SCH.	2102674J

FAM
PROJ
PAGE:
OF:

PCAD FORMAT DI IN A2

FEATURES & VARIATIONS	COMPONENTS ADDED/DELETED
FEATURE 80	DEL: RX900, RX901, RX902, RX903 RX907, RX908, RX909, RX912
	ADD: RX911, RX130, RX131, RX132 RX133, TX130

BX002 Decoder

LA73021M

IX001

BU 2 (F)
R2 (F)
G2 (F)
B2 (F)
SC2_OUT_R (N)
SC2_OUT_L (N)
SC2_IN_R (N)
SC2_IN_L (N)
SCART2 (T)
IIC_DA_A (T)
IIC_CLK_A (T)
AUTOPROGRAM (Z)
NC
V_IF (Z)
F_VIDEO (K)
SGFB (V)
OSD_MIX_L (V)
VIDEO_OUT (Y)
V_EE_REC (V)
V_EE_REC_F (F)
V_EE_PB_F (F)
V_EE_PB (V)
SC1_IN_L (N)
SC1_IN_R (N)
SC1_OUT_L (N)
SC1_OUT_R (N)
AV4_IN (X)

CX090 10U 16V
CX091 10U 16V
CX092 220N Y5V
CX093 220N Y5V
CX094
CX095 220N Y5V
CX700 100p NPO
CX701 PREP
CX703 PREP
CX750 1n X7R
CX751 1n X7R
CX752 100P NPO
CX753 560P X7R
CX754 100P NPO
CX755 560P X7R
CX760 100P NPO
CX770 1N X7R
CX771 1N X7R
CX773 560P X7R
CX772 100P NPO
CX850 PREP
CX851 100P NPO
CX008 100n Y5V
CX009 100n Y5V
CX017 100U/16V
CX018 100U/16V
CX003 100U/16V
CX004 100N Y5V
CX013 100N
CX014 100n
CX015 100n
CX00 100 16V
CX705 (PREP)
CX704 (PREP)

RX751 330R
RX750 330R
RX753 330R
RX752 330R
RX754 100R
RX755 100R
RX892 4K7
RX893 4K7
RX757 PREP
RX758 PREP
RX759 PREP
RX053 75R
RX052 75R
RX050 15K
RX051 10K
RX756 PREP
RX771 330R
RX777 10K
RX773 330R
RX776 10K
RX894 0R
RX895 0R
RX807 1K
RX774 100R
RX900 * 0R
RX901 * 0R
RX902 * 0R
RX907 * 0R
RX908 * 0R
RX910 0R
RX906 0R
RX911 * 0R
RX003 (PREP)
RX002 10K
RX913 0R
RX004 10K
RX001 10K
RX701 0R
RX005 8K2
RX804 560R
RX006 0R
RX013 470R
RX014 3K9
RX702 0R

LX700 0.56u
LX703 0R
LX701 0.56u
LX001 10U
LX702 PREP

DX001 1N4148
TX001 PN1402

+5VE
+5VS
+12VSTDBY
+12VSTDBY1
VPSGND
GND

POWER SAVE
DATA
CLOCK
CTRL 2 EXT
CTRL 3 EXT
CTRL 1 EXT
CLAMP
VREF
BUFFER EXT
VCC
SERIAL CONTROL
AMP
BUF
SW3
SW2
SW1
FBS
NC

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BX001 Main Scart

BL (F)
R (F)
G (F)
B (F)

AV4_IN (X)
AV4_V_IN
BX004
CX021 100p NPO
RX007 75R
CX100 1N X7R
AUDIO L OUT
RX100 330R
BX005
BX006
AUDIO L IN
CINCH_IN_L (N)
RX102 100R
CX102 560P X7R
CX097 220N Y5V
RX897 4K7
AUDIO R OUT
CX101 1N X7R
RX101 330R
BX007
RX103 100R
AUDIO R IN
CINCH_IN_R (N)
CX103 560P X7R
CX096 220N Y5V
RX895 4K7
BX008
CX780 prep X7R
CX781 prep X7R
RX780 330R
RX781 330R
SCI_OUT_R (N)
SCI_OUT_L (N)

V_CINCH_MOD (F)
V_FE_PR (V)
V_FE_PB_F (F)
+12VSTDBY
V_FE_REC_F (F)
+5VE
V_FE_REC (V)
GND

* BF101

B2 (F)
G2 (F)
R2 (F)
BL2 (F)
B (F)
G (F)
R (F)
BL (F)

BF102

SOPB (V)
SC2_OUT_R (N)
SC2_OUT_L (N)
SC1_OUT_R (N)
SC1_OUT_L (N)
RX898 0R
SCART1 (T)
SC2_IN_R (N)
SC2_IN_L (N)
SC1_IN_R (N)
SC1_IN_L (N)
CINCH_IN_R (N)
CINCH_IN_L (N)
OSD_MIX_L (V)
+5VS
+5VS
AV_LINK1 (K)
SCART2 (T)
V_FE_PB (V)
AUTOPROGRAM (Z)
+12VSTDBY
F_VIDEO (K)
V_FE_REC (V)
+5VE
V_CINCH_MOD (Z)
V_IF (Z)
NC
IIC_CLK_A (T)
IIC_DA_A (T)
IIC_DA_C (T)
IIC_CLK_C (T)

BX010

+5VS
LY001 10U
CY005 1000 16V
CY007 100N Y5V
CX777 100P NPO
IY001 SDA5650
Vdda Vddd N.C CVBS Iref YC01 PD2/YC02 N.C PD1 T1
Vssa Vssd N.C SCL SDA OSO VCS N.C DAVN EHB
VPSGND
IIC_CLK_C (T)
IIC_DA_C (T)
RY005 100K
RX073 75R
RX074 75R
RY006 6K8
RY004 6K8
RY007 1M2
RY003 1M2
CY008 2N2 X7R
CY013 2N2 X7R
CY002 330N Y5V
RY001 2K2
VIDEO_OUT (X)
RY002 1M
CY011 150P NPO

RX077 560R
RX070 10K
1N4148 DX003
RX071 5K6
+5VE
CX016 100n
RX801 560R

LX003 10U +5VE
CX011 100N Y5V
CX012 100U 16V

RX909 SCART1_OUT 75R
BX003
GND

RX130 1K
+12VSTDBY1
RX131 1K
RX134 PREP
RX135 PREP
RX133 75R
TX130 BC858/B
RX132 10K
FOR FEATURE BD

RX912 0R
SCART1 (T)
V_CINCH_MOD (Z)
V_CINCH_MOD (F)
IIC_CLK_A (T)
GND
IIC_DA_A (T)

BF1 = XX6XX
EMC = XX7XX
ESD = XX8XX

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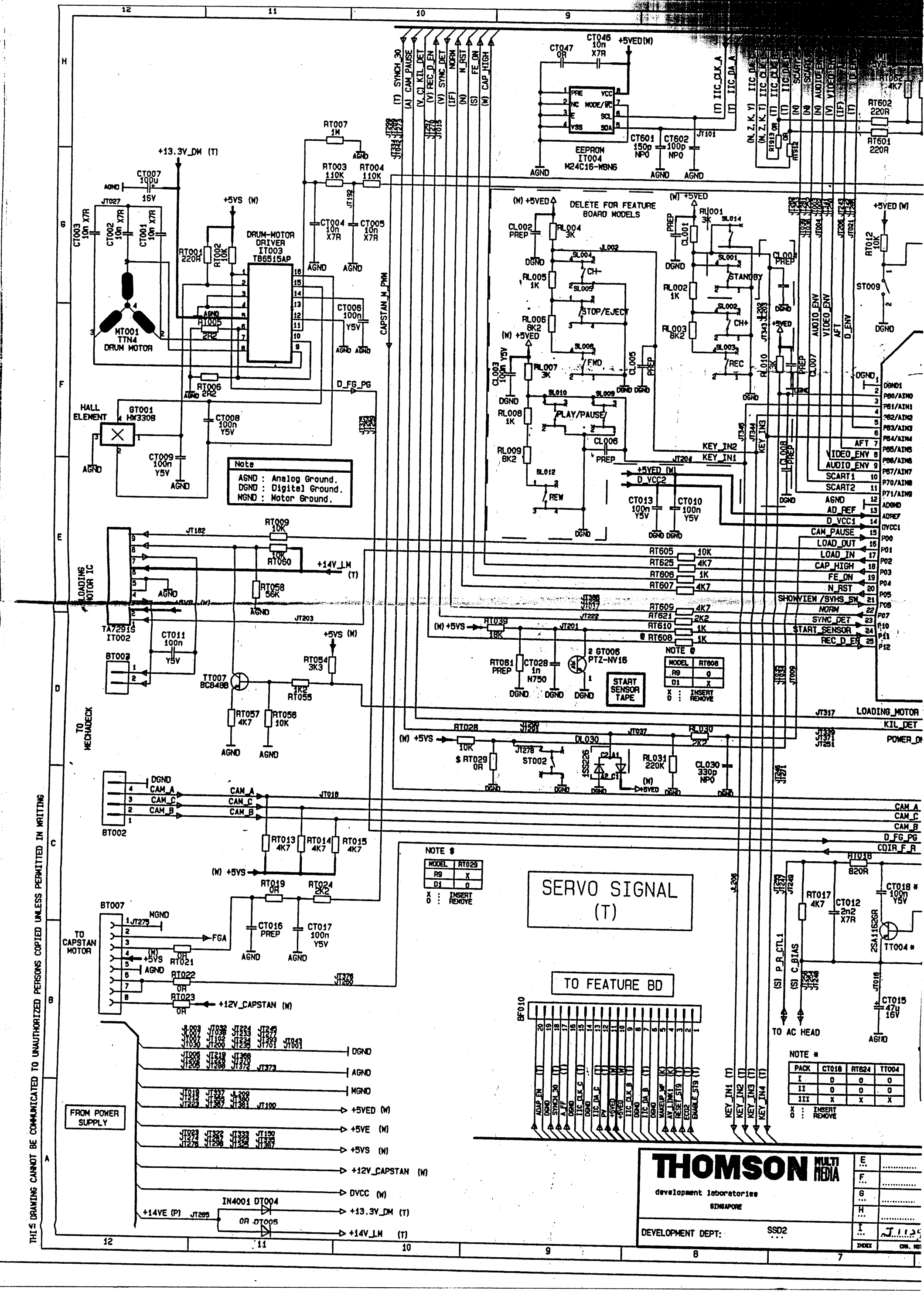
SENT 05. JAN. 00 VPD DOC

THOMSON MULTIMEDIA development laboratories SINGAPORE	DEVELOPMENT DEPT: ...	I.	JO3430	23/12	JC NG	RELEASED FOR LAB 00 PCB	DRAWN ON: 23.12.99 BY: NG JC L	DESIGNATION	TOCOM-NUMBER	FAM
		H		29/11	JC NG	RELEASED FOR LAB 8 PCB	CHECKED ON: BY: PATRICK LI	SCH A9000 IMB I/O INTF/VPS	2102685I	PROJ
		G		28/10	JC NG	RELEASED FOR PILOT RUN LAB7	APPROVED ON: BY: CHIN YE			PAGE: 1
		F		29/09	JC NG	RELEASED FOR LAB 6 PCB LAB				OF 1
		E		01/09	JC NG	RELEASED FOR LAB 5 PCB.				
		INDEX	CHA. NOTE NO.	DATE	NAME	DESCRIPTION				

PCAD FORMAT DIN A1


DRUM-MOTOR DRIVER IT003 TB6515AP
MT001 TTN4 DRUM MOTOR
HALL ELEMENT
GT001 HW3308
EEPROM IT004 M24C16-WBN6
LOADING MOTOR IC
TA7291S IT002
TO MECHADECK
TO CAPSTAN MOTOR
FROM POWER SUPPLY
TO FEATURE BD
BF010
TO AC HEAD
DELETE FOR FEATURE BOARD MODELS
START SENSOR TAPE
2 GT006 PTZ-NV16
SERVO SIGNAL (T)
Note
AGND : Analog Ground.
DGND : Digital Ground.
MGND : Motor Ground.
NOTE $
NOTE @
NOTE *
THOMSON MULTI MEDIA
development laboratories
SINGAPORE
DEVELOPMENT DEPT: SSD2
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MPD DOC

DELETE FOR FEATURE BOARD MODELS

IT001
TMP90CS74EDF

TO KEY BOARD

TO LDB
(7 SEGMENT DISPLAY BD)

RECEIVED
28 MAR 00
DOC CENTRE

NOTE #

PACK	RL946	RL042
I	X	0
II	0	X
III	0	X

X : INSERT
0 : REMOVE

051099	CECILIA	RELEASE FOR LAB RUN 3 (LAB 6 PCB)
021199	CECILIA	UPDATE FOR LAB RUN 3 (LAB 7 PCB)
[illegible]	[illegible]	[illegible] RUN 3 (LAB 8 PCB)
[illegible]	[illegible]	[illegible] INDEX 00 PCB)
[illegible]	[illegible]	[illegible] INDEX A PCB)

DRAWN ON: 22/3/00 BY: CECILIA KOK
CHECKED ON: 22/3/00 BY: KH KWOK
APPROVED ON: 22/3/00 BY: DANNY CHAN

DESIGNATION	TOCOM-NUMBER
R9000 MAIN SERVO	2102683I

FAM
PROJ
PAGE: 1
OF : 1

PCAD FORMAT DIN A1

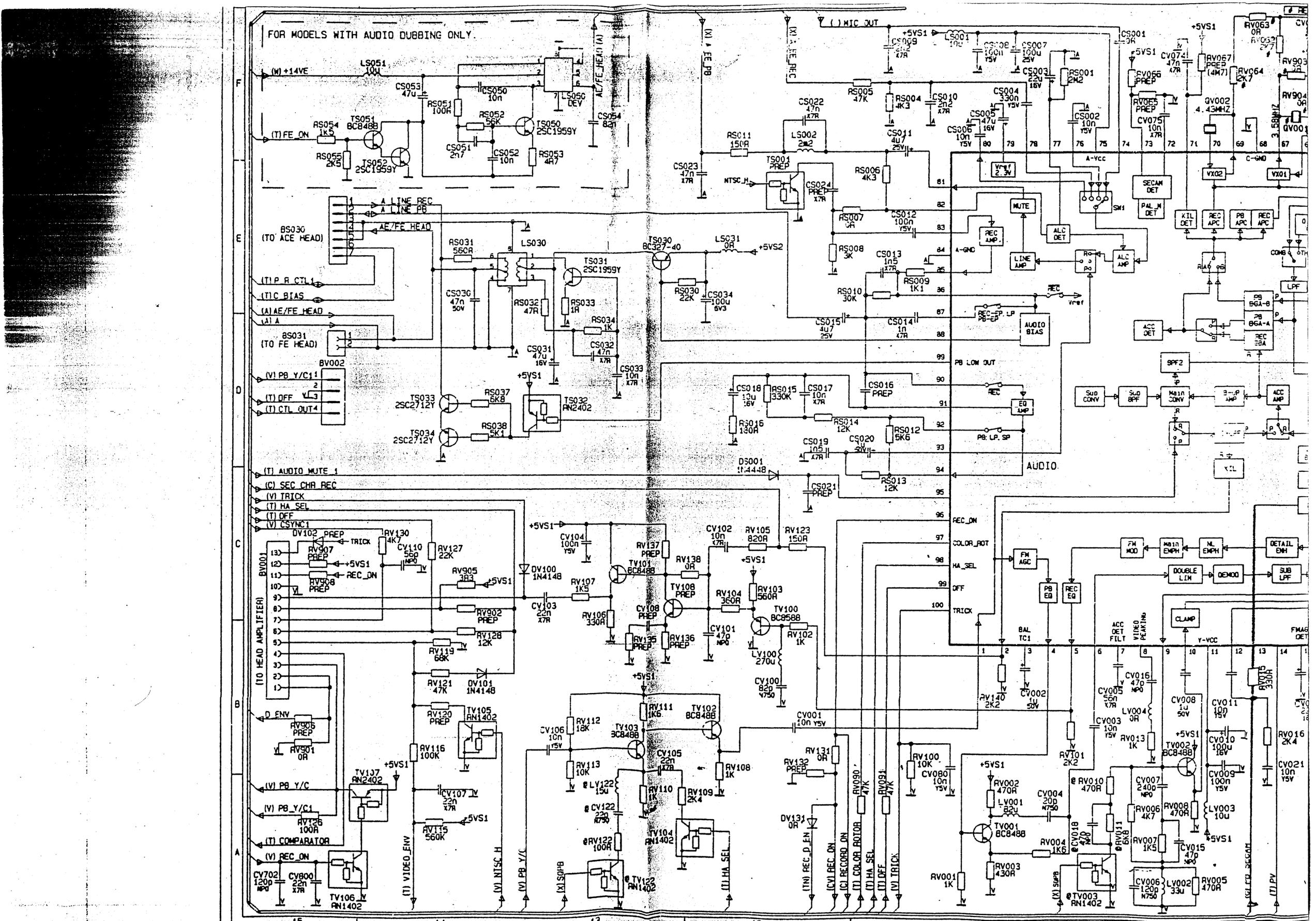
FOR MODELS WITH AUDIO DUBBING ONLY.
(W) +14VE
LS051 10u
CS053 47u
CS050 10n
RS051 100R
RS052 56K
TS050 2SC1959Y
CS054 82n
AE/FE_HEAD (A)
LS050 DEV
(T) FE_ON
RS054 1K5
TS051 BC848B
RS055 2K5
TS052 2SC1959Y
CS051 2n7
CS052 10n
RS053 4R7
FE_PB (X)
AE_FE_PB
( ) MIC OUT
+5VS1
LS001 10u
CS009 4u7 X7R
CS008 100n Y5V
CS007 100u 25V
CS001 10R
CS003 22u 16V
RS001 2M2
RS005 47K
RS004 4K3
CS010 2n2 X7R
CS004 330n Y5V
CS005 47u 16V
CS006 10n Y5V
CS002 10n Y5V
RV063 0R
RV062 2K7
CV074 47n X7R
RV067 PREP (4M7)
RV064 2K7
RV066 PREP
RV065 PREP
CV075 10n X7R
QV002 4.43MHZ
RV904 0R
QV001 3.58MHZ
RS011 150R
LS002 2m2
CS022 47n X7R
CS023 47n X7R
TS001 PREP
NTSC_H
CS024 PREP X7R
RS006 4K3
CS011 4u7 25V
RS007 0R
CS012 100n Y5V
RS008 3K
CS013 1n5 X7R
RS009 1K1
RS010 30K
CS015 4u7 25V
CS014 1n X7R
Vref 2.5V
A-VCC
C-GND
MUTE
ALC DET
SECAM DET
PAL_M DET
SW1
REC AMP.
LINE AMP
ALC AMP
A-GND
KIL DET
REC APC
PB APC
REC APC
VX02
VX01
COMB
LPF
BPF2
PB BGA-B
PB BGA-A
REC EGA
ACC DET
AUDIO BIAS
REC
PB LOW OUT
REC-EP, LP
PB-EP
PB: LP, SP
EQ AMP
AUDIO
Sub CONV
Sub BPF
Main CONV
3-P AMP
ACC AMP
XTL
A LINE REC
A LINE PB
AE/FE HEAD
BS030 (TO ACE HEAD)
BS031 (TO FE HEAD)
RS031 560R
LS030
TS031 2SC1959Y
CS030 47n 50V
RS032 47R
RS033 1R
RS034 1K
CS031 47u 16V
CS032 47n X7R
CS033 10n X7R
TS030 BC327-40
LS031 0R
+5VS2
RS030 22K
CS034 100u 6V3
BV002
(V) PB_Y/C1
(T) OFF
(T) CTL_OUT
TS033 2SC2712Y
TS034 2SC2712Y
RS037 6K8
RS038 5K1
TS032 AN2402
(T) P_R_CTL
(T) C_BIAS
(A) AE/FE_HEAD
(A) A
(T) AUDIO_MUTE_1
(C) SEC_CHA_REC
(V) TRICK
(T) HA_SEL
(T) OFF
(V) CSYNC1
(TO HEAD AMPLIFIER) BV001
DV102 PREP
TRICK
RV907 PREP
RV908 PREP
REC_ON
RV130 4K7
CV110 560 NPO
RV127 22K
RV905 3R3
RV902 PREP
RV128 12K
RV119 68K
RV121 47K
DV101 1N4148
DV100 1N4148
CV103 22n X7R
RV106 330R
RV107 1K5
CV104 100n Y5V
RV137 PREP
TV101 BC848B
RV138 0R
TV108 PREP
CV108 PREP
RV135 PREP
RV136 PREP
CV102 10n X7R
RV105 820R
RV123 150R
RV104 360R
RV103 560R
TV100 BC8588
CV101 47p NPO
RV102 1K
LV100 270u
CV100 82p Y750
D_ENV
RV906 PREP
RV901 0R
RV120 PREP
TV105 AN1402
RV116 100K
TV107 AN2402
CV107 22n X7R
RV115 560K
(V) PB_Y/C
(V) PB_Y/C1
RV126 100R
(T) COMPARATOR
(V) REC_ON
CV702 120p NPO
CV800 22n X7R
TV106 AN1402
(T) VIDEO_ENV
(V) NTSC_H
(V) PB_Y/C
(X) SOPB
@TV122 AN1402
RV112 18K
TV103 BC8488
RV113 10K
@LY122 15u
@CV122 22n N750
@RV122 100R
CV106 10n Y5V
RV111 1K6
TV102 BC8488
CV105 22n X7R
RV110 1K
RV109 2K4
RV108 1K
TV104 AN1402
(T) HA_SEL
CV001 10n Y5V
RV131 0R
RV132 PREP
DV131 0R
(TN) REC_P_EN
(C) REC_ON
(C) RECORD_ON
(T) COLOR_ROTOR
(T) HA_SEL
(T) OFF
(V) TRICK
RV090 47K
RV091 47K
RV100 10K
CV080 10n Y5V
CS018 10u 16V
RS015 330K
CS017 10n X7R
CS016 PREP
RS016 130R
RS014 12K
RS012 5K6
CS019 10n X7R
CS020 50V
DS001 1N4448
RS013 12K
CS021 PREP
REC_ON
COLOR_ROT
HA_SEL
OFF
TRICK
FM AGC
PB EQ
REC EQ
FM MOD
Main EMPH
NL EMPH
DETAIL ENH
DOUBLE LIN
DEMOD
SUB LPF
CLAMP
BAL TC1
ACC DET FILT
VIDEO PEAKING
Y-VCC
RV140 2K2
CV002 1u 50V
RV101 2K2
CV005 56n X7R
CV003 10n Y5V
CV016 47p NPO
LV004 0R
RV013 1K
CV008 1u 50V
CV010 100u 16V
CV011 100 Y5V
CV009 100n Y5V
RV016 2K4
CV021 10n Y5V
RV015 330R
TV002 BC8488
RV002 470R
LV001 82u
CV004 20p N750
TV001 BC8488
RV003 430R
RV001 1K
RV004 1K6
@RV010 470R
@CV018 47p NPO
@RV011 6K8
@TV003 AN1402
CV007 240p NPO
RV006 4K7
RV008 470R
RV007 1K5
CV015 47p NPO
CV006 120p N750
LV002 33u
RV005 470R
(G) FD_SECAM
(T) PV

TABLE 1 COMPONENT DESIGNATION

RFI	= XXFXX
EMC	= XX7XX
ESD	= XXBXX
FUNCTIONAL	= XXSXX

TABLE 2 VIDEO SIGNAL PROCESSOR TYPE

	LA71555M	LA71565M
XV001	LA71555M	LA71565M
CV011	3.6795 45MHz	-
RV062	3K7	-
RV064	-	2K7
RV063	-	0R
RV903	-	0R
RV904	-	0R

TABLE 3 SIGNAL DESIGNATION

I2C INTERFACE	= N
TAPE	= N
AUDIO	= A
SECAM	= C
SERVO	= T
VIDEO	= V
TMS-IN/OUT	= X

TABLE 4 PERIPHERAL LOC FOR PWB

LV701
LV702
LV703
LV704

NOTE : @ DENOTES COMPONENT USE IN MODELS WITH S-VHS PLAYBACK FEATURE

FOR MODELS WITH SECAM RECORD/PLAYBACK ONLY.

NOT FOR FEATURE MODELS

RECEIVED 17.1 '00 DOC CENTRE

SENT 05.JAN.00 VPD DOC

H	JC 35 JC	3/1/00	SIEW HG	UPDATE FOR LABRUN 3 (INDEX 00 PCB)
G		2/11/99	SIEW HG	UPDATE FOR LABRUN 3 (LAB 7 PCB)
F		6/18/99	SIEW HG	RELEASE FOR LABRUN 3 (LAB 6 PCB)
E		5/5/99	SIEW HG	UPDATE FOR LABRUN 2 (LAB 5 PCB)
D		1/8/99	SIEW HG	RELEASE FOR LABRUN 2 (LAB 4 PCB)

INDEX | CHA NOTE NO | DATE | NAME | DESCRIPTION

THOMSON
development laboratories
SINGAPORE

DEVELOPMENT DEPT: PG1

DRAWN ON: 3/1/2000 BY: SIEW HG
CHECKED ON: 4/1/2000 BY: PATRICK LI
APPROVED ON: 4/1/2000 BY: CHIN Y F

DESIGNATION: SCH A9 MAIN Y/C/A

TOCOM-NUMBER: 2102684H